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## AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in this application.

## Listing of Claims

- (Currently amended) A composition comprising a protein in crystalline form, wherein the protein consists of <del>SEQ. ID No. 3</del> SEQ ID NO. 3, and wherein the protein crystal has a crystal lattice in a P2<sub>1</sub> space group and unit cell dimensions, -/- 5%, of a=121.53Å b=124.11Å and c=144.42Å, c=y=90°, B=114.6°.
- 2-3. (Cancelled)
- (Previously presented) A composition according to claim 1 wherein the protein crystal diffracts
   X-rays for a determination of structure coordinates to a resolution less than 3.0 Angstroms.
- 5-6. (Canceled)
- 7. (Currently amended) A method for forming a crystal of a protein comprising: forming a crystallization volume comprising a precipitant solution and a protein that consists of SEQ.-ID-No. 3 SEQ ID-NO.3, and wherein the protein crystal has a crystal lattice in a P2<sub>1</sub> space group and unit cell dimensions, +/- 5%, of a=121.53Å b=124.11Å and c=144.42Å, α=γ=90°, β=114.6°; and storing the crystallization volume under conditions suitable for crystal formation of the protein.
- (Currently amended) A method according to claim 7 wherein is expressed from a nucleic acid molecule that comprises SEQ-4D-No-2 SEQ ID NO:2.
- 9. (Cancelled)
- (Currently amended) A method according to claim 7 wherein the protein crystal diffracts X-rays for a determination of structure coordinates to a resolution less than 3.0 Angstroms.

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## 11-12. (Canceled)

- 13. (Original) A method according to claim 7, the method further comprising diffracting the protein crystal to produce a diffraction pattern and solving the structure of the protein from the diffraction pattern.
- 14. (Cancelled)
- (Currently amended) A <u>protein composition-according</u> to claim 16 where the protein is expressed from a nucleic acid molecule that comprises SEQ.-ID-No.-2 SEQ ID NO:2.
- (Currently amended) A composition comprising an isolated a protein consisting of SEQ.-ID-No.
   residues 13-740 of SEO ID NO:3.
- 17. (Previously presented) A method of identifying an entity that associates with a protein, comprising:

taking structure coordinates from diffraction data obtained from a protein crystal formed according to the method of claim 7; and

performing rational drug design using a three dimensional structure that is based on the obtained structure coordinates.

- 18. (Currently amended) A method according to claim 17 wherein the protein from which the protein crystal is formed is expressed from a nucleic acid molecule that comprises \$EQ. ID-No.2 SEQ ID NO.2.
- 19. (Canceled)
- 20. (Original) A method according to claim 17, the method further comprising selecting one or more entities based on the rational drug design and contacting the selected entities with the protein.
- (Original) A method according to claim 17, the method further comprising measuring an activity
  of the protein when contacted with the one or more entities.

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## 22-23. (Cancelled)

- 24. (New) A protein consisting of residues 39-766 of SEQ ID NO:1.
- 25. (New) A composition comprising a protein in crystalline form, wherein the protein consists of residues of 39-766 of SEQ ID NO:1, and wherein the protein crystal has a crystal lattice in a P2<sub>1</sub> space group and unit cell dimensions, 4/- 5%, of a=121.53Å b=124.11Å and c=144.42Å, α=y=90°, β=114.6°.
- 26. (New) A method for forming a crystal of a protein comprising:

forming a crystallization volume comprising a precipitant solution and a protein that consists of residues 39-766 of SEQ ID NO:1, and wherein the protein crystal has a crystal lattice in a P2<sub>1</sub> space group and unit cell dimensions, +/- 5%, of a=121.53Å b=124.11Å and c=144.42Å, α=γ=90°, β=114.6°; and storing the crystallization volume under conditions suitable for crystal formation of the protein.

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